AMENDMENT #4: AMREYA REFINERY MODERNIZATION

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Please note that the Request for Proposals (RFP) for the FEASIBILITY STUDY for the AMREYA REFINERY is amended, as follows:

Questions, Answers and Clarifications: This amendment consists of clarifying questions and answers submitted by potential Offerors regarding the RFP packet. Responses to submitted questions are attached.

Q: Does APRC have a plan already developed for the economic feasibility of the project that it is seeking a critique of or is the contractor expected to develop its own plan as part of the study?

A: As mentioned in TASK-2 (Site Visit and Current Situation Assessment); The Contractor shall conduct a review of Refinery operations, including Current projects under development and implementation On-site. In addition, as mentioned in TASK-5 (Technical Analysis) the Grantee and the Contractor shall develop a vision for how the Refinery will evolve to a more productive and efficient operation over the next few years.
APRC already have projects under development, which will be reviewed by the contractor. Both APRC and the contractor will work together to plan how the refinery will be more efficient

Q: Are hard copies and copies on flash drives/CD ROM the only form of submission accepted? During this COVID Pandemic, it seems a bit silly to require all of the items that require contact especially when there are perfectly effective and safe methods for delivering these proposals i.e. email. Would not an electronic submittal be just as effective, quicker, and safer?

A: APRC respects the concerns for COVID pandemic, and accepts to receive the deliverables during the study via email but, bidders shall follow regulations for proposal submission.

The next three questions are related to the RFP section referenced directly below:

Annex 1-5
Subtask 5.2 Energy Analysis and Modelling

The Contractor shall develop a static, open-source simulation model(s) and spreadsheets, subject
to the Grantee's approval that shall simulate the process configuration.

Q: Please clarify the term "open-source simulation".

A: Open- source simulation means simulation models built by global configuration programs that can purchased easily, please find example of these programs:
(https://en.wikipedia.org/wiki/List_of_chemical_process_simulators).

Q: Does the entire refinery need to be simulated as a part of the effort or can the focus be on the highest energy intensive units?

A: This is to be discussed during the study, which parts to be simulated in order to achieve the improvement targets.

Q: Can HSYS be used for simulation?

A: Yes, HSYS can be used for simulation.